

Name: \_\_\_\_\_

**at1110paper\_practice\_test (v101)**

1. Solve the equation.

$$6x^2 - 26x + 27 = 3x^2 + 2x - 5$$

2. Expand the following expression into standard form.

$$(2x - 9)(7x + 8)$$

3. Expand the following expression into standard form.

$$(4x - 3)(4x + 3)$$

4. Solve the equation.

$$(4x - 7)(9x - 8) = 0$$

5. Factor the expression.

$$16x^2 - 9$$

6. Expand the following expression into standard form.

$$(7x + 5)^2$$

7. Factor the expression.

$$x^2 - 13x + 42$$

8. Solve the equation with factoring by grouping.

$$15x^2 + 20x + 18x + 24 = 0$$